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PSTC HT-23-857-68

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DESCRIPTORS: \*Fibers (Synthetic), \*Plastic films,  
\*Nylon, \*Polyethylene plastics, Mechanical properties,  
Processing, Manufacturing methods, \*Ethylene oxide,  
Potassium compounds, Hydroxides, \*Dyes, Resorcinol,  
Quinones.

(Materials--Plastics, TT, v. 10, no. 4)

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Production,

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4236927

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*Shinobu Iwamura*

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Box  
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C-23   P   NSA

*Second Japan Conference on  
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<p>Trans. published Japanese patent 9036/1962, cl.          25-9-11 (42-D-21) (136-G-22) (40-S-02) appl. no.          3002/1960 filed 3 Feb 60, pub. 24 July 62, by Toyo          Rayon Co.</p>	<p>424571</p>
<p><b>DESCRIPTORS:</b> *Fibers (Synthetic), *Polyethers          plastics, *Ethers, *Propene, *Methyl and ethyl,          *Vinyl radicals, *Tyridine, *Acrylic acid esters,          *Ethers, *Quat polymers, *Copolymerization, *Types</p>	<p>Office of Technical Services</p>
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Shinohara, Yasuo.  
MODIFICATION OF FIBERS BY RADIATION-INDUCED  
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61-16765

Trans. of Kōbunshi Kagaku (Japan) 1960, v. 17, no. 180,  
p. 197-201.

DESCRIPTORS: \*Nylon, Cellulose, Synthetic fibers,  
Textiles, Polymers, \*Copolymerization, Radio  
Chemistry.

Conventional fibers such as cellulose and nylon are  
capable of forming graft polymers easily when irradi-  
ated first with radioactive rays, and then placed in con-  
junction with a vinyl monomer or a solution thereof.  
At the time of polymerization, it is effective when water  
or methanol is co-present. When a vinyl polymer with  
a high transition point is grafted on, the fiber becomes  
hard as a rule, while when the transition point is low,  
it becomes soft. (Author)

61-16765

1. Title: Graft polymers  
1. Shinohara, Y.

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Office of Technical Services  
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Trans. in French of [Nihon Nogei-Kagakkai Shi] (Japan)  
1936, v.13, pt.1, no.148, p.1.

DESCRIPTORS: \*Amines, Alcohols, \*Fatty  
acid esters, Hydrogenation, Cobalt, Ammonium com-  
pounds, Thorium compounds, Oxides.

(Chemistry--Organic, TT, v. 11, no. 7)

TT-63-26549

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